Idaho Facilities Management

Office of Nuclear Energy
U. S. Department of Energy

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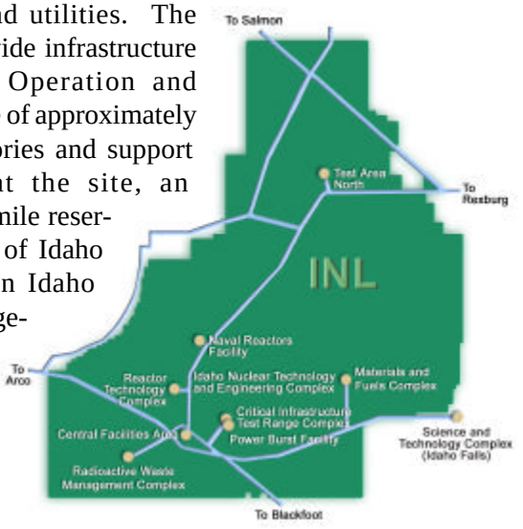
The purpose of the Idaho Facilities Management (IFM) program is to provide the Idaho National Laboratory (INL) with the site-wide Landlord infrastructure required to support technical efforts such as research on the Advanced Fuel Cycle Initiative, Generation IV nuclear energy systems, and Space and Defense Power Systems program, and the Navy's nuclear propulsion research and development program. The program is responsible for common use areas, betterments and user facilities, including nuclear and radiological facilities. It is also responsible for site-wide environmental compliance, infrastructure planning, the administration of site services, and utilities. The Idaho site-wide infrastructure includes: Operation and maintenance of approximately 300 laboratories and support facilities at the site, an 890 square mile reservation west of Idaho Falls, and in Idaho Falls; management of site land; maintenance of 600 miles of roads; maintenance of the site power grid; and surveillance and maintenance of inactive facilities.



The IFM Program manages and operates the three main engineering and research complexes at INL: (1) the Reactor Technology Complex (RTC) at the site, (2) the Materials and Fuels Complex (MFC) at the site, and (3) the Science and Technology Complex (STC) in Idaho Falls. As INL landlord, the IFM Program also manages and operates the Central Facilities Area (CFA) at the site and various site-wide infrastructure systems and facilities, such as electrical utility distribution.

The effectiveness of the IFM program is measured annually against national standards for maintenance and repair and by aggressive operating milestones. The Department's anticipated effort to meet these national standards is used to determine annual funding requirements.

Reactor Technology Complex: At the Reactor Technology Complex (RTC), the Advanced Test Reactor (ATR) is the premier INL research facility. The ATR is a 250 MW test reactor used to provide irradiation services for a range of users. ATR is the largest and most powerful test reactor in the world. Its current primary mission is to provide irradiation and testing services to the Naval Reactors Program. The ATR is also vital to developing Generation IV nuclear technologies and in supporting the Advanced Fuel Cycle Initiative. The ATR also provides irradiation and testing services to other national and international nuclear energy research groups and medical and industrial isotope producers. In addition to the ATR reactor the RTC includes a variety of support facilities such as laboratories, hot cells, and test facilities. The estimated replacement value of the ATR is $2 billion with a construction period of ten years. IFM funds the ATR Life Extension Program which will ensure the long-term availability of this essential nuclear power research capability.

Reactor Technology Complex

Materials and Fuels Complex: The facilities at the Materials and Fuels Complex (MFC) supports *National Energy Policy* goals by maintaining and operating nuclear facilities required for advanced nuclear energy technology research and development. The facilities, personnel and infrastructure at the MFC site support

several important DOE nuclear energy, defense, and environmental management programs. The Office of Nuclear Energy's (NE) Advanced Fuel Cycle Initiative (AFCI) is the principal program at MFC. Production of radioisotope power systems in support of Space programs is another principal program. The MFC includes the following major facilities: Zero Power Physics Reactor, Fuel Conditioning Facility, Fuel Manufacturing Facility, Sodium Process Facility, Analytical Laboratory, Electron Microscopy Laboratory, and Radioactive Scrap and Waste Facility. The Department has initiated the Remote Treatment Project (RTP) at MFC to provide a facility to efficiently process remote-handled waste.

Materials and Fuels Complex

Science and Technology Complex: The Science and Technology Complex in Idaho Falls includes 30 DOE-owned and leased buildings that house office space, the Center for Advanced Energy Studies, and extensive laboratory facilities. The laboratories support NE nuclear energy research, national security programs, and a wide range of research for other disciplines.

Science and Technology Complex
Research Center

FY 2006 Planned Accomplishments

- Continue infrastructure maintenance and recapitalization activities in accordance with the INL Ten-Year Site Plan (TYSP).
- Complete the RTC Electrical Utility Upgrade Line Item Construction Project (LICP).
- Complete the External Independent Review for the RTP LICP.
- Initiate booster fuel research for the ATR Gas Test Loop LICP.
- Create the Center for Advanced Energy Studies and the Center for Advanced Modeling and Simulation in support of core missions.
- Create long range plans for laboratory programs, facilities and personnel.
- Achieve the irradiation program objectives established by the Naval Reactors Program for the Advanced Test Reactor.
- Achieve the component manufacturing objectives of the Special Manufacturing Facility.

FY 2007 Planned Accomplishments

- Continue infrastructure maintenance and recapitalization in accordance with the INL TYSP.
- Complete preliminary design for the RTP LICP.
- Complete conceptual design for the ATR Gas Test Loop LICP.
- Achieve the irradiation program objectives established by the Naval Reactors Program for ATR.
- Achieve the component manufacturing objectives of the Specific Manufacturing Capability Project.

Program Budget
Idaho Facilities Management
($ in Millions)

FY 2006	FY 2007
Adj. Approp.	Request
$112.7	$95.3

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